

# **METHODS FOR THE PREPARATION OF RESINS WITH LIGANDS ATTACHED THERETO THROUGH A LINKING GROUP COMPRISING SULFIDE, SULFOXIDE, SULFONE OR SULFONATE FUNCTIONALITY**

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Methods for the preparation of chromatographic resins comprising a support matrix having ligands capable of binding a target compound covalently attached thereto through a linking group comprising sulfide, sulfoxide, sulfone or sulfonate functionality. Specifically, in the disclosed methods, a support matrix comprising ethylenically unsaturated functionality is contacted with a thiol group or a bisulfite salt under free radical reaction conditions. In the case of the reaction with the thiol group, subsequent optional oxidation of the sulfide to the sulfone or sulfoxide functionality may occur.

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